BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA Zone, Kodigehalli Sub Division

DETAILED ESTIMATE FOR **Providing water supply pipelines to various layouts of ward no. 8**

Ward No. 8 **Est. Cost Rs. : 700000.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt road (Page No. 269, I. 37.38, PWDSR 2018-19)								
	Kodigehalli cross roads	Cum	1	105.00	0.90	0.10	9.45		
	Amco layout cross roads	Cum	1	115.00	0.90	0.10	10.35		
	balaji layout cross raods	Cum	1	120.00	0.90	0.10	10.80		
	Bhadrappa layout cross roads	Cum	1	100.00	0.90	0.10	9.00		
		Cum					39.60	475.94	18847.00
	Basic Rate	449.00							
	Area Weightage @ 6%	26.94							
	Total	475.94							
2	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. (Page No. 6, I. 2.3, PWDSR 2018-19)								
	Kodigehalli cross roads	Cum	1	105.00	0.90	0.75	70.87		
	Amco layout cross roads	Cum	1	115.00	0.90	0.75	77.62		
	balaji layout cross raods	Cum	1	120.00	0.90	0.75	81.00		
	Bhadrappa layout cross roads	Cum	1	100.00	0.90	0.75	67.50		
		Cum					296.99	316.94	94128.00
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							
	Total	316.94							
3	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.(PWDSR 2018-19, P. 7, I.2.13)								
	On all cross roads	Cum	1	440.00	0.90	0.10	39.60		
							39.60	2183.60	86471.00
	Basic Rate	2060.00							
	Area Weightage @ 6%	123.60							
	Total	2183.60							
4	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching. refilling & testing of joints complete. (external work). - 50mm nominal OD pipes (PWDSR 2018-19, P. 99, I.13.87.6)								
	50mm dia	Rmtr	1	440.00			440.00		
							440.00	457 92	201485.00
	Basic Rate	432.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	25.92							
	Total	457.92							
5	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 m (Page No. 7, I. 2.11, PWDSR 2018-19)								
		Cum					257.39	128.26	33013.00
	Basic Rate	121.00							
	Area Weightage @ 6%	7.26							
	Total	128.26							
6	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (P. 94, I. 13.37, PWDSR 2018-19)								
		Each	4				4	1843.34	7373.00
	Basic Rate	1739.00							
	Area Weightage @ 6%	104.34							
	Total	1843.34							
7	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (Page No. 155, Item No. 20.18, PWD SR 2018-19)								
	All cross roads as in item No. 1	Cum	1	440.0	0.60	0.150	39.60		
							39.60	2001.28	79251.00
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	2001.28							
8	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (Page No. 158, I. 21.1, PWDSR 2018-19)								
	All cross roads as in item No. 1	Sqm	1	440.00	0.60		264.00		
							264.00	22.26	5877.00
	Basic Rate	21.00							
	Area Weightage @ 6%	1.26							
	Total	22.26							
9	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502 (Page No. 158, Item No. 21.5, PWD SR 2018-19)								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Qty vide item No.	Sqm	1				264.00		
							264.00	46.64	12313.00
	Basic Rate	44.00							
	Area Weightage @ 6%	2.64							
	Total	46.64							
10	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. using 40-60 TPH capacity HMP with mechanical paver grading I (35-40mm) with 4.5% VG-30 Bitumen (Page No. 160, Item No. 21.20.5, PWD SR 2018-19)								
		Cum	1	440.0	0.6	0.040	10.56		
							10.56	7717.86	81501.00
	Basic Rate	7281.00							
	Area Weightage @ 6%	436.86							
	Total	7717.86							
	Sub-Total								620259.00
	Add GST charges at 12%								74431.00
	Miscellaneous & Rounding off							L/S	5310.00
	Total								**700000.00**

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.
5 This work has not been taken previously under any other grant.

Assistant Engineer
Ward no. 8
Kodigehalli

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatrayanapura Division
BBMP

Administrative Approval

Accorded For ...7.00 Lakhs...
Head of A/C....P-1802...
CER NO :..213/19-20.. Dt:..27-03-20

TA CE (YNK)

TECHNICAL SANCTION

Accorded For Rs.....7.00 Lakhs only.....
Head of A/c.....P-1802.....
Div. Ref. No.....27/20-21.....Date.....24/4/2020

AE EE(BTP)